



CITY OF DURHAM | NORTH CAROLINA

**Date:** October 5, 2015

**To:** Thomas J. Bonfield, City Manager  
**Through:** W. Bowman Ferguson, Deputy City Manager  
**From:** Donald F. Greeley, Director, Water Management  
**Subject:** Generator Maintenance and Emergency Repair Services  
Contract No. 12014 Amendment No 1.

**Executive Summary:**

On August 18, 2014, City Council approved Contract 12014 with National Power Corp. (NPC) for generator maintenance and emergency repair services for the 63 emergency generators located at the City's wastewater lift stations and facilities. Over the past year, three new lift stations with emergency generators have been placed into service while two lift stations have been abandoned.

NPC has provided excellent service to the Departments Plant Engineering and Maintenance Division. DWM's Water, Supply and Treatment Division (WST) and the Water Reclamation Facilities have made the request to add their generators and diesel engines to the maintenance program.

The Department recommends a contract amendment be approved to National Power Corp. for continued generator maintenance and emergency repair services, and allow NPC to maintain and provide emergency repair services to generators and diesel engines for the Water Storage and Treatment and Water Reclamation Facility Division's.

**Recommendations:**

The Department recommends City Council:

1. Authorize the City Manager execute a contract amendment with National Power Corp. for the Generator Maintenance and Emergency Repair Services for a not-to-exceed annual expenditure of \$204,863.00, renewable annually at the option of the City Manager for up to four (4) additional years.

**Background:**

The City of Durham Department of Water Management ("DWM") operates 62 pumping stations to convey wastewater to the City's two reclamation facilities. Backup power generation is required to maintain pumping during power outages. On-site backup power is also a requirement of the City's wastewater collection system permit. The City of Durham is not able to effectively maintain the generators with current staff and pursued outside contracting to ensure proper preventative maintenance and emergency repairs.

The City's collection system permit requires monthly inspection, preventive maintenance and start-up with transfer switch testing on each generator unit. The yearly maintenance includes oil, coolant and air filter changes for half of the generators and 4 hour load testing

on all of the generators. The contract requires contractor availability 24/7 with a 2 hour response time for all emergency repair services.

City Council approved Contract 12024, on August 18, 2014 for National Power Corp. to provide generator maintenance and emergency repair services for 62 generators at a cost of \$134,810.00.

**Impact and Analysis:**

DWM desires for NPC to provide continued monthly generator and emergency repair services for the department’s wastewater lift stations.

DWM’s Water Supply and Treatment Division and the Water Reclamation Facility’s requested their generators and diesel engine maintenance be added to the contract. The monthly maintenance and exercising of the generators has not always been performed due to limited personnel and time constraints.

The listing of generators and diesel engines for FY 2016 per division is listed below.

DWM PE&M	63 Generators	10 – 1,250 KVA	\$137,020.00/Yr.
DWM WST	7 Generators & 1 Diesel Engine	30 – 2,500 KVA	\$ 47,337.00/Yr.
NDWRF	2 Generators	300 & 500 KVA	\$ 6,178.00/Yr.
SDWRF	<u>4 Generators</u>	250 – 1,500 KVA	<u>\$ 14,328.00/Yr.</u>
<b>Total</b>	76 Generators & 1 Diesel Engine		\$204,863.00

**Financial Impact:**

Funding for this contract is budgeted for in the DWM Plant Engineering and Maintenance division, Water Supply and Treatment, and the North Durham and South Durham Water Reclamation Facility’s Operational Budgets. There are currently funds available in these accounts.

Plant Engineering & Maintenance	5100P300 – 723400	\$ 137,020.00
Water Supply & Treatment	5100P121 – 723400	\$ 47,337.00
North Durham WRF	5100P501 – 723400	\$ 6,178.00
South Durham WRF	5100P502 – 723400	<u>\$ 14,328.00</u>
		\$ 204,863.00

**SDBE Summary**

This is a contract amendment. The goals for this project were 0% MSDBE and 0% WSDBE. It was determined that National Power Corporation was in compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.